

JIMMY TRAN

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[Github](#) , [Linked- In](#), [Portfolio](#)

SKILLS

- **TECHNOLOGIES** •Flask •Django •Node Js •Git/Github •Relational database •MySQL •Java Servlet •Android development •Heroku •Rest API •Google Firebase •Windows 10 •Visual Studios •Eclipse •Bootstrap •Apache Tomcat •Maven •JUnit •Unit Testing •Ubuntu
- **PROGRAMMING LANGUAGES**: •Java •Python •C++ •C •HTML5 •CSS3 •Javascript
- **SOFT SKILLS**: •Quick learner •Detail oriented •Resilient •Problem-solving •Customer-driven •Deadline oriented
- **LANGUAGES**: •English •Vietnamese

EXPERIENCE

Environmental League of Massachusetts (ELM) | Full Stack Web Developer (Contract)

MAY 2020 - CURRENT | Boston, MA

- Built a Green Voter Guide search engine website for users to look up their district's Senator and House Representatives based on their address
- Used various external APIs to meet the requirements of the website.
- Technologies used: HTML5, CSS3, Bootstrap, Python, Django, MySQL, DigitalOcean, and Heroku
- Weekly meetings with the Program Manager, website consultant, and executive director to discuss updates and proceedings on the website
- Implemented test cases for the websites's routings and database queries to ensure functionality of application

Wyzant | Computer Science Tutor

NOVEMBER 2019 - MAY 2020 | Online

- Served as an online tutor for Computer Science focused on the programming language Java
- Prepared detailed lesson plans prior to tutoring sessions
- Explained and answered Java concepts and helped with assignments and projects through an interactive digital classroom

PROJECTS

Green Voter Guide — Environmental Search Engine Website | Full Stack [website source code](#)

- Website application which includes a search engine that is built for users to search their district's legislators (Senate and House) to see who is on their ballot for the 2020 election based on their given address.
- This service allows residents to get a better understanding on who to vote for on their ballot based on endorsements of 5 different environmental advocacy organizations in Massachusetts.
- Incorporated microservices such as the USgeocoder API to query Senate and House districts, and the Google Places API for auto-completion of address forms.
- HTML, CSS, Bootstrap, Javascript for the front-end and Python/Django and MySQL for the server side.
- Used Heroku for hosting the application and DigitalOcean as a server to host static files (CSS,JS,images)

Haverhill Hackathon — School Website | Full Stack [website](#) [source code](#)

- Competition that lasted 24 hours, in which we teamed up to help solve & create a digital ecosystem for schools and community agencies like after school programs to efficiently communicate their data with the end goal to uplift student success.
- Front-end made with Bootstrap, HTML, CSS, and JS, scripted in Python, using Flask as a web framework for the back-end, and MySQL database for managing student's information, forms, activity logs, and user credentials.
- Website includes user login, daily report submissions, student grades, and graphs that keep track of student's academic performance in school
- Implemented a REST API that allows certain users to request for the student's data through registered API keys.

Designer Nail Salon — Business Website [website](#) [source code](#)

- A complete fully responsive nail salon website, made with Bootstrap, Java Servlet, JSP, HTML, CSS, Javascript. Website includes a home, bookings, services, and reviews' page
- Used the JavaMail API to implement a Simple Mail Transfer Protocol (SMTP) for appointment form transactions
- Apache Maven for managing the project's dependencies and build and Apache Tomcat as a web server.

Blog — Blog Website | Full Stack [website](#) [source code](#)

- A Full stack web application which allows users to write and publish any informative posts within the platform
- Website made with HTML5,CSS3, Bootstrap, VanillaJS, Python/Django, PostgreSQL, Heroku, and DigitalOcean.
- Register/Login feature, pre-registered email authentication,modifiable publications and user's settings page

EDUCATION

Bunkerhill Community College Charlestown, MA | 2017-2019 (A.S Degree in Computer Science Transfer Option)

- **Relevant Courses**: •Introduction to Object Oriented Programming •Java •Advanced Java •C++ •Android Development •Data Structures

University of Massachusetts Boston Boston, MA | 2020-2022 (Bachelor of Science in Computer Science)

- **Relevant Courses**: •Programming in C •Social issues and ethic in Computing •Applied Discrete Mathematics